

## **RAW SEQUENCE LISTING**

**The Biotechnology Systems Branch of the Scientific and Technical  
Information Center (STIC) no errors detected.**

Application Serial Number: 10/547,843  
Source: PCT  
Date Processed by STIC: 9-16-05

***ENTERED***

~~CRF Errors Edited by the STIC Systems Branch~~

Serial Number: 10/547,843

CRF Edit Date:

Edited by: KL

9/16/05

Realigned nucleic acid/amino acid numbers/text in cases where the sequence text "wrapped" to the next line

Corrected the SEQ ID NO. Sequence numbers edited were:  
\_\_\_\_\_

Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited:  
\_\_\_\_\_

Deleted:  invalid beginning/end-of-file text ;  page numbers  
\_\_\_\_\_

Inserted mandatory headings/numeric identifiers, specifically:  
\_\_\_\_\_

Moved responses to same line as heading/numeric identifier, specifically:  
\_\_\_\_\_

Other:  
\_\_\_\_\_  
\_\_\_\_\_

Revised 09/09/2003

**BEST AVAILABLE COPY**



PCT

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/10/547,843

DATE: 09/16/2005  
TIME: 12:31:15

Input Set : A:\PTO.KD.txt  
Output Set: N:\CRF4\09162005\J547843.raw

3 <110> APPLICANT: HORIGUCHI, Takashi  
 4 MATSUI, Hideki  
 5 WATANABE, Tomomichi  
 7 <120> TITLE OF INVENTION: Novel protein and its DNA  
 9 <130> FILE REFERENCE: 3159 US0P  
 W--> 10 <140> CURRENT APPLICATION NUMBER: US  
 C--> 11 <141> CURRENT FILING DATE: 2005-09-06  
 13 <150> PRIOR APPLICATION NUMBER: PCT/JP2004/003033  
 14 <151> PRIOR FILING DATE: 2004-03-09  
 16 <150> PRIOR APPLICATION NUMBER: JP2003-64197  
 17 <151> PRIOR FILING DATE: 2003-03-10  
 19 <150> PRIOR APPLICATION NUMBER: JP2003-149679  
 20 <151> PRIOR FILING DATE: 2003-05-27  
 22 <160> NUMBER OF SEQ ID NOS: 10  
 24 <210> SEQ ID NO: 1  
 25 <211> LENGTH: 264  
 26 <212> TYPE: PRT  
 27 <213> ORGANISM: Homo sapiens  
 29 <400> SEQUENCE: 1  
 30 Met Gly Gly Ala Gln Leu Glu Leu Pro Ser Gly Ala Arg Pro Gly Val  
 31 5 10 15  
 32 Cys Val Arg Arg Ser Phe Arg Ala His Ala Gly Asp Gln Pro Arg Arg  
 33 20 25 30  
 34 Pro Pro Gly Pro Ile Pro Val Pro Gly Thr Met Lys Gln Glu Ser Ala  
 35 35 40 45  
 36 Ala Pro Asn Thr Pro Pro Thr Ser Gln Ser Pro Thr Pro Ser Ala Gln  
 37 50 55 60  
 38 Phe Pro Arg Asn Asp Gly Asp Pro Gln Ala Leu Trp Ile Phe Gly Tyr  
 39 65 70 75 80  
 40 Gly Ser Leu Val Trp Arg Pro Asp Phe Ala Tyr Ser Asp Ser Arg Val  
 41 85 90 95  
 42 Gly Phe Val Arg Gly Tyr Ser Arg Arg Phe Trp Gln Gly Asp Thr Phe  
 43 100 105 110  
 44 His Arg Gly Ser Asp Lys Met Pro Gly Arg Val Val Thr Leu Leu Glu  
 45 115 120 125  
 46 Asp His Glu Gly Cys Thr Trp Gly Val Ala Tyr Gln Val Gln Gly Glu  
 47 130 135 140  
 48 Gln Val Ser Lys Ala Leu Lys Tyr Leu Asn Val Arg Glu Ala Val Leu  
 49 145 150 155 160  
 50 Gly Gly Tyr Asp Thr Lys Glu Val Thr Phe Tyr Pro Gln Asp Ala Pro  
 51 165 170 175  
 52 Asp Gln Pro Leu Lys Ala Leu Ala Tyr Val Ala Thr Pro Gln Asn Pro  
 53 180 185 190

## RAW SEQUENCE LISTING

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54 Gly Tyr Leu Gly Pro Ala Pro Glu Glu Ala Ile Ala Thr Gln Ile Leu  
 55 195 200 205  
 56 Ala Cys Arg Gly Phe Ser Gly His Asn Leu Glu Tyr Leu Leu Arg Leu  
 57 210 215 220  
 58 Ala Asp Phe Met Gln Leu Cys Gly Pro Gln Ala Gln Asp Glu His Leu  
 59 225 230 235 240  
 60 Ala Ala Ile Val Asp Ala Val Gly Thr Met Leu Pro Cys Phe Cys Pro  
 61 245 250 255  
 62 Thr Glu Gln Ala Leu Ala Leu Val  
 63 260

65 &lt;210&gt; SEQ ID NO: 2

66 &lt;211&gt; LENGTH: 792

67 &lt;212&gt; TYPE: DNA

68 &lt;213&gt; ORGANISM: Homo sapiens

70 &lt;400&gt; SEQUENCE: 2

71 atggggggcg ctcagctgga gctaccgagc ggtgccaggc caggtgtgtg cgtccgtcgg 60  
 72 tcttccgtg cccacgcccc agaccagccc cggaggccgc ctggggcttat ccctgtgcca 120  
 73 ggcaccatga agcaggagtc tgcagcccc aacaccccgcc acaccccgca gtcccccatacg 180  
 74 ccgtccgctc agttcccccg aaacgacggc gaccctcaag cgctgtggat ttccgggtac 240  
 75 ggctccctgg tgtggaggcc cgacttcgccc tacagcgaca gccgtgtggg ctccgtgcgc 300  
 76 ggctacagcc gccgttctg gcagggagac accttccatc ggggcagcga caagatgcct 360  
 77 ggcgtgtgg tgacgtcct tgaagatcat gagggtgcac cttggggcgt ggcataccaa 420  
 78 gtgcaagggg agcaggttaag caaggccctg aagtaccta atgtgcgaga ggcagtgcgtt 480  
 79 ggtggctacg ataccaagga ggtcaccttc tatcccaag atgctcctga ccaaccactg 540  
 80 aaggcattgg cctatgtggc cacccccacag aaccctgggtt acctgggccc tgcgcctgaa 600  
 81 gagggcattg ccacgcagat cctggcctgc cggggcttct cggccacaaa cttgaatac 660  
 82 ttgctgcgtc tggcagactt catgcagctc tgtgggcctc aggccgcaggaa cgagcacctg 720  
 83 gcagccatcg tggacgctgt gggcaccatcg ttgcctgtc tctgccccac cgagcaggct 780  
 84 ctggcgctgg tg 792

86 &lt;210&gt; SEQ ID NO: 3

87 &lt;211&gt; LENGTH: 18

88 &lt;212&gt; TYPE: DNA

89 &lt;213&gt; ORGANISM: Artificial Sequence

91 &lt;220&gt; FEATURE:

92 &lt;223&gt; OTHER INFORMATION: Primer

94 &lt;400&gt; SEQUENCE: 3

95 ggcaggggta taagacac

18

97 &lt;210&gt; SEQ ID NO: 4

98 &lt;211&gt; LENGTH: 19

99 &lt;212&gt; TYPE: DNA

100 &lt;213&gt; ORGANISM: Artificial Sequence

102 &lt;220&gt; FEATURE:

103 &lt;223&gt; OTHER INFORMATION: Primer

105 &lt;400&gt; SEQUENCE: 4

106 acccgccatg ccttctcag

19

108 &lt;210&gt; SEQ ID NO: 5

109 &lt;211&gt; LENGTH: 24

110 &lt;212&gt; TYPE: DNA

111 &lt;213&gt; ORGANISM: Artificial Sequence

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/547,843

DATE: 09/16/2005

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Input Set : A:\PTO.KD.txt

Output Set: N:\CRF4\09162005\J547843.raw

113 <220> FEATURE:  
 114 <223> OTHER INFORMATION: Primer  
 116 <400> SEQUENCE: 5  
 117 cgccagggtt ttcccagtca cgac 24  
 119 <210> SEQ ID NO: 6  
 120 <211> LENGTH: 27  
 121 <212> TYPE: DNA  
 122 <213> ORGANISM: Artificial Sequence  
 124 <220> FEATURE:  
 125 <223> OTHER INFORMATION: Primer  
 127 <400> SEQUENCE: 6  
 128 agcggataac aatttcacac aggaaac 27  
 130 <210> SEQ ID NO: 7  
 131 <211> LENGTH: 30  
 132 <212> TYPE: DNA  
 133 <213> ORGANISM: Artificial Sequence  
 135 <220> FEATURE:  
 136 <223> OTHER INFORMATION: Primer  
 138 <400> SEQUENCE: 7  
 139 gccatggggg gcgctcagct ggagctaccg 30  
 141 <210> SEQ ID NO: 8  
 142 <211> LENGTH: 26  
 143 <212> TYPE: DNA  
 144 <213> ORGANISM: Artificial Sequence  
 146 <220> FEATURE:  
 147 <223> OTHER INFORMATION: Primer  
 149 <400> SEQUENCE: 8  
 150 tcacaccgc gccagagcct gctcgg 26  
 152 <210> SEQ ID NO: 9  
 153 <211> LENGTH: 20  
 154 <212> TYPE: DNA  
 155 <213> ORGANISM: Artificial Sequence  
 157 <220> FEATURE:  
 158 <223> OTHER INFORMATION: Primer  
 160 <400> SEQUENCE: 9  
 161 taatacgcact cactataggg 20  
 163 <210> SEQ\_ID NO: 10  
 164 <211> LENGTH: 18  
 165 <212> TYPE: DNA  
 166 <213> ORGANISM: Artificial Sequence  
 168 <220> FEATURE:  
 169 <223> OTHER INFORMATION: Primer  
 171 <400> SEQUENCE: 10  
 172 tagaaggcac agtcgagg 18

**VERIFICATION SUMMARY**

PATENT APPLICATION: US/10/547,843

DATE: 09/16/2005

TIME: 12:31:16

Input Set : A:\PTO.KD.txt

Output Set: N:\CRF4\09162005\J547843.raw

L:10 M:283 W: Missing Blank Line separator, <140> field identifier  
L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date

**Raw Sequence Listing before editing,  
for reference only**



PCT

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/10/547,843

DATE: 09/15/2005  
TIME: 16:49:24

Input Set : A:\PTO.KD.txt  
Output Set: N:\CRF4\09142005\J547843.raw

3 <110> APPLICANT: HORIGUCHI, Takashi  
4 MATSUI, Hideki  
5 WATANABE, Tomomichi  
7 <120> TITLE OF INVENTION: Novel protein and its DNA  
9 <130> FILE REFERENCE: 3159 US0P  
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13 <150> PRIOR APPLICATION NUMBER: PCT/JP2004/003033  
14 <151> PRIOR FILING DATE: 2004-03-09  
16 <150> PRIOR APPLICATION NUMBER: JP2003-64197  
17 <151> PRIOR FILING DATE: 2003-03-10  
19 <150> PRIOR APPLICATION NUMBER: JP2003-149679  
20 <151> PRIOR FILING DATE: 2003-05-27  
22 <160> NUMBER OF SEQ ID NOS: 10

## ERRORED SEQUENCES

(pg.1-2) ↗

65 <210> SEQ ID NO: 2  
66 <211> LENGTH: 792  
67 <212> TYPE: DNA  
68 <213> ORGANISM: Homo sapiens  
70 <400> SEQUENCE: 2  
71 atggggggcg ctcagctgga gctaccgagc ggtgccaggc caggtgtgtg cgtccgtcg 60  
72 tcttccgtg cccacccgg agaccagccc cggaggccgc ctgggcctat ccctgtgcca 120  
73 ggacccatga agcaggagtc tgcaaaaaaa aacaccccgcc cacccctcgca gtccccatcg 180  
74 ccgtccgctc agttcccccgg aaacacgacggc gaccctcaag cgctgtggat ttccgggtac 240  
75 ggctccctgg tggggggcc cgacttcgccc tacagcgaca gccgtgtggg ttccgtgcgc 300  
76 ggctacagcc gccgttctg gcaggagac accttcatc gggcagcga caagatgcct 360  
77 ggccgtgtgg tgaacgtcct tgaagatcat gagggctgca cttggggcggt ggcataccaa 420  
78 gtgcaagggg agcaggttaag caaggccctg aagtacctga atgtgcgaga ggcagtgcct 480  
79 ggtggctacg ataccaagga ggtcaccttc tatcccaag atgctcctga ccaaccactg 540  
80 aaggcattgg cctatgtggc caccccacag aaccctgggtt acctgggccc tgccctgaa 600  
81 gagggccattg ccacgcagat cctggcctgc cggggcttcc cccggccacaa ccttgaatac 660  
82 ttgctgcgtc tggcagactt catgcagctc tgtggcctc aggccgcaggaa cgagcacctg 720  
83 gcagccatcg tggacgctgt gggcaccatg ttgcctgtc tctgccccac cgagcaggct 780  
E--> 84 ctggcgctgg tg  
85 792 →  
164 <210> SEQ ID NO: 10 → moved here →  
165 <211> LENGTH: 18  
166 <212> TYPE: DNA  
167 <213> ORGANISM: Artificial Sequence  
169 <220> FEATURE:  
792

RAW SEQUENCE LISTING  
PATENT APPLICATION: US/10/547,843

DATE: 09/15/2005  
TIME: 16:49:24

Input Set : A:\PTO.KD.txt  
Output Set: N:\CRF4\09142005\J547843.raw

170 <223> OTHER INFORMATION: Primer

172 <400> SEQUENCE: 10

173 tagaaggcac agtcgagg

E--> 177 1

18

*deleted*

**VERIFICATION SUMMARY**

PATENT APPLICATION: US/10/547,843

DATE: 09/15/2005

TIME: 16:49:25

Input Set : A:\PTO.KD.txt

Output Set: N:\CRF4\09142005\J547843.raw

L:10 M:283 W: Missing Blank Line separator, <140> field identifier  
L:11 M:271 C: Current Filing Date differs, Replaced Current Filing Date  
L:84 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:792 SEQ:2  
L:177 M:254 E: No. of Bases conflict, this line has no nucleotides.